

Relay Module - PLC-RSC-24DC/21HC/EX - 2909519

Technical data

General

| | |
|---------------------------------|---------------------------------------|
| | IP20 (Relay base) |
| Mechanical service life | 3x 10 ⁷ cycles |
| ATEX | # II 3G Ex ec nC IIC T4 Gc |
| EU-type examination certificate | IBExU16ATEXB015 X |
| IECEX | Ex ec nC IIC T4 Gc |
| IECEX certificate | IECEX IBE 16.0029X |
| UL, USA | Class I, Zone 2, AEx nA nC IIC T6 |
| UL, USA/Canada | Class I, Div. 2, Groups A, B, C, D |
| UL, Canada | Class I, Zone 2, Ex nA nC IIC Gc T6 X |
| Mounting position | any |
| Assembly instructions | In rows with zero spacing |

Connection data input side

| | |
|----------------------------------|---|
| Connection name | Coil side |
| Connection method | Screw connection |
| Stripping length | 8 mm |
| Screw thread | M3 |
| Conductor cross section solid | 0.14 mm ² ... 2.5 mm ² |
| Conductor cross section flexible | 0.14 mm ² ... 2.5 mm ² |
| | 0.2 mm ² ... 2.5 mm ² () |
| | 2x 0.5 mm ² ... 1.5 mm ² () |
| Conductor cross section AWG | 26 ... 14 |

Connection data output side

| | |
|----------------------------------|---|
| Connection name | Contact side |
| Connection method | Screw connection |
| Stripping length | 8 mm |
| Screw thread | M3 |
| Conductor cross section solid | 0.14 mm ² ... 2.5 mm ² |
| Conductor cross section flexible | 0.14 mm ² ... 2.5 mm ² |
| | 0.2 mm ² ... 2.5 mm ² () |
| | 2x 0.5 mm ² ... 1.5 mm ² () |
| Conductor cross section AWG | 26 ... 14 |

Standards and Regulations

| | |
|--------------------------|---------------------------------------|
| Designation | Standards/regulations |
| Standards/regulations | IEC 60664 |
| | EN 50178 |
| | EN 60079-0, -7, -15 |
| Rated insulation voltage | 250 V AC |
| Rated surge voltage | 6 kV |
| Insulation | Safe isolation, reinforced insulation |

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Technical data

Standards and Regulations

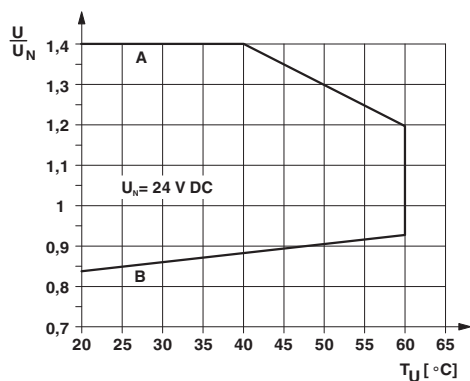
| | |
|--|---------------------------------------|
| Degree of pollution | 2 |
| Overvoltage category | III |
| Flammability rating according to UL 94 | V0 |
| Conformance | CE-compliant |
| ATEX | # II 3G Ex ec nC IIC T4 Gc |
| IECEX | Ex ec nC IIC T4 Gc |
| UL, USA | Class I, Zone 2, AEx nA nC IIC T6 |
| UL, USA/Canada | Class I, Div. 2, Groups A, B, C, D |
| UL, Canada | Class I, Zone 2, Ex nA nC IIC Gc T6 X |

Environmental Product Compliance

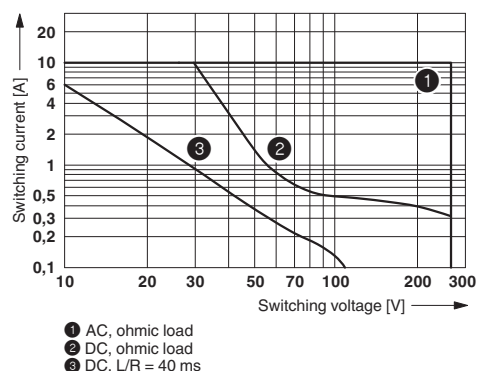
| | |
|------------|---|
| REACH SVHC | Lead 7439-92-1 |
| China RoHS | Environmentally Friendly Use Period = 50 |
| | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

Drawings

Diagram



Diagram



Interrupting rating

Curve A

Maximum permissible continuous voltage U_{max} with limiting continuous current on the contact side (see relevant technical data)

Curve B

Minimum permissible operate voltage U_{op} after pre-excitation (see relevant technical data)